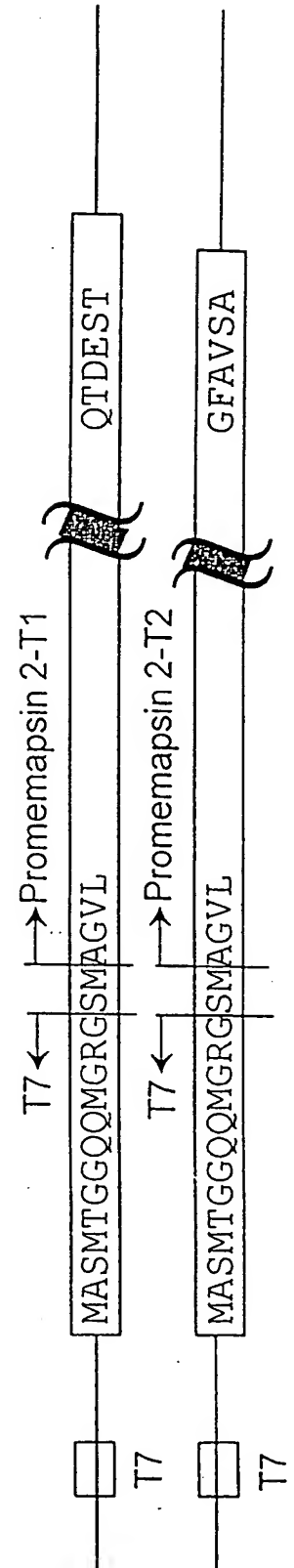


FIG. 1

1v MASMTGGQQM GRGSMAGVLP AHGTQHGIRL PLSGLGGAP LGLRLPRETD
36p EEPPEPGRRG SFVEMVDNLR GKSGQGYVE MTVGSPPTL NILVDTGSSN
38 FAVGAAPHPF LHRYYQRQLS STYRDLRKG VVPYTQGWKWE GELGTDLVSI
88 PHGPNVTVRA NIAAITESDK FFINGSNWEG ILGLAYAEIA RPDDSLPEFF
138 DSLVKQTHVP NLFSLQLCGA GFPLNQSEVL ASVGGSMIIG GIDHSLYTGS
188 LWYTPIRREW YVEVIVRVE INGQDLKMD KEYNYDKSIV DSGTTLRLRP
238 KKVFEAAVKS IKAASSTEKF PDGFWLGEQL VCWQAGTPW NIFPVISLYL
288 MGEVTNQSR ITILPQQYLR PVEDVATSQD DCYKFAISQS STGTVMGAVI
338 MEGFYVVFDR ARKRIGFAVS ACHVHDEFRT AAVEGPFVTL DMEDCGYNIP
388 QTDESTLMTI AYVMAAICAL FMLPLCLMVC QWRCLRLRQ QHDDFADDIS
438 LLK*



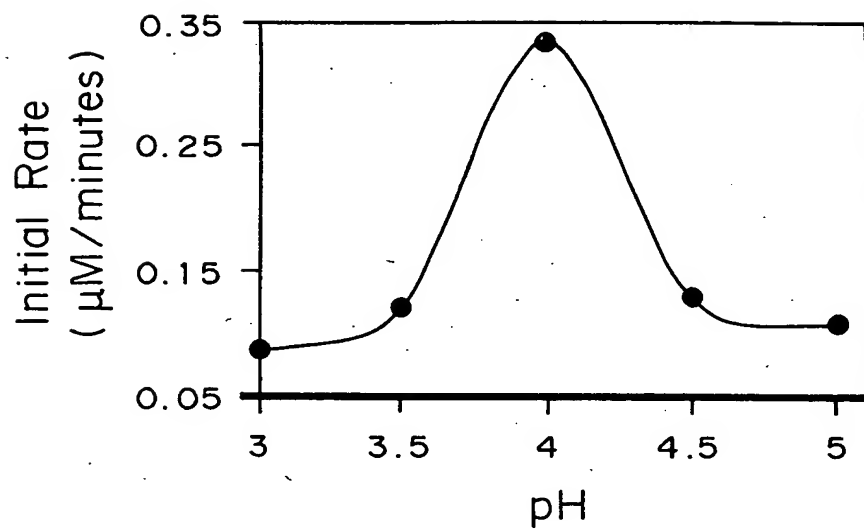


FIG. 2A

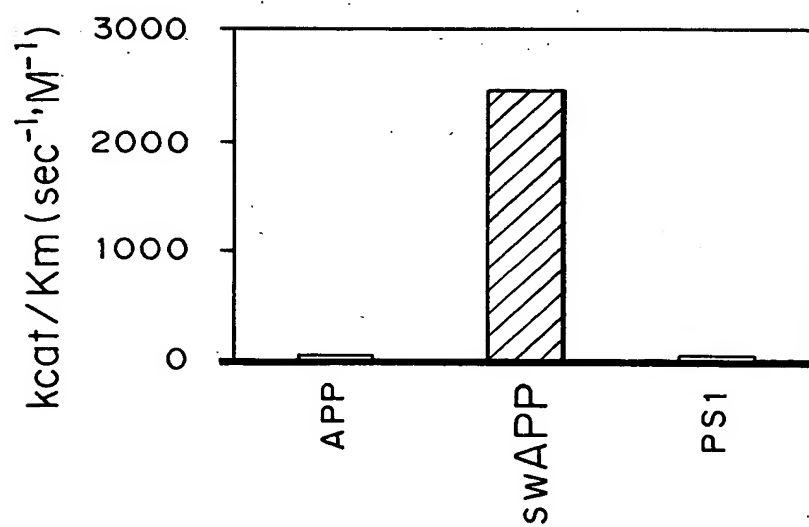


FIG. 2B

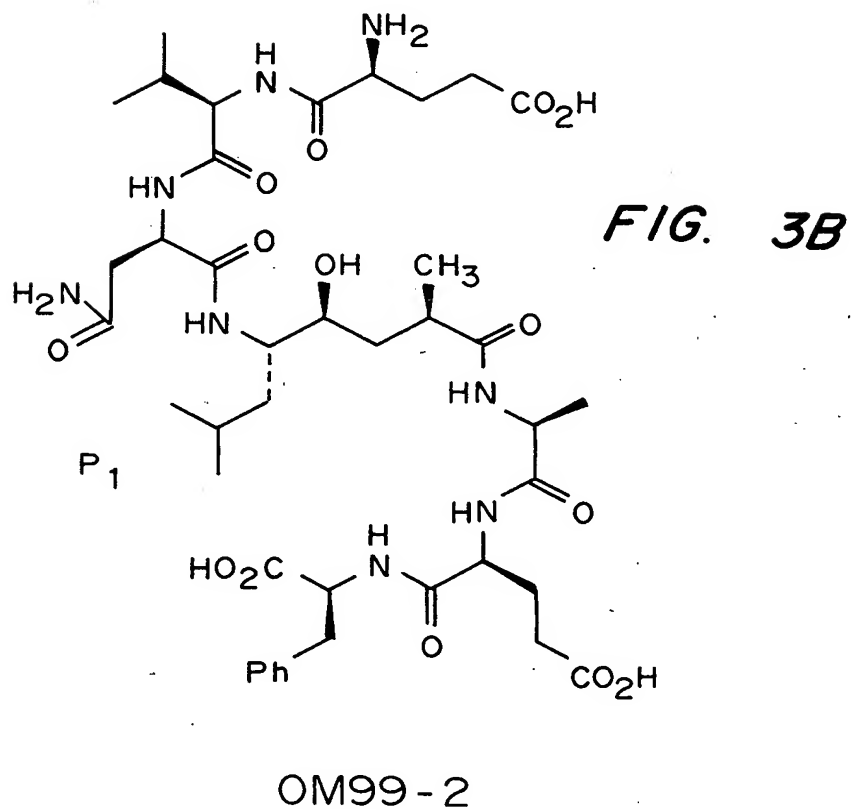
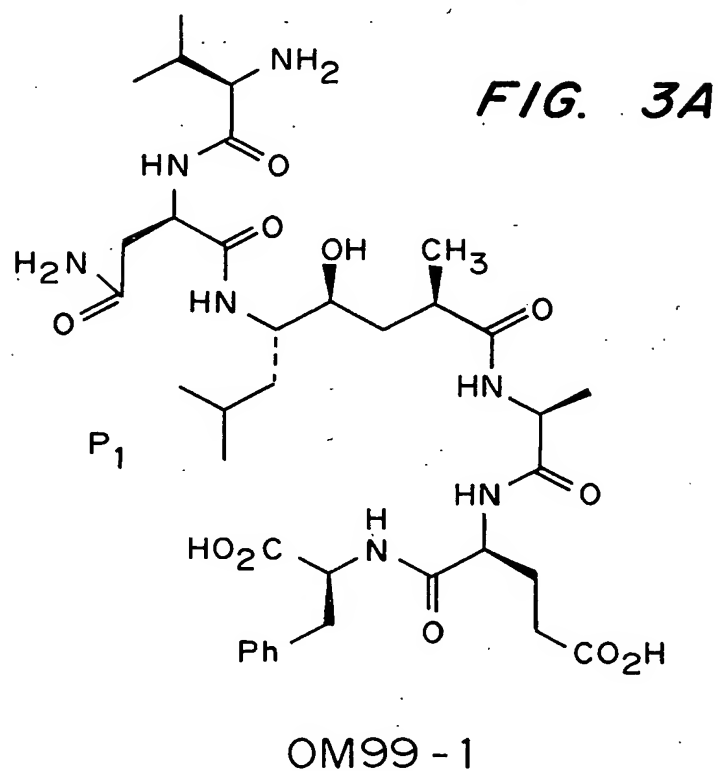
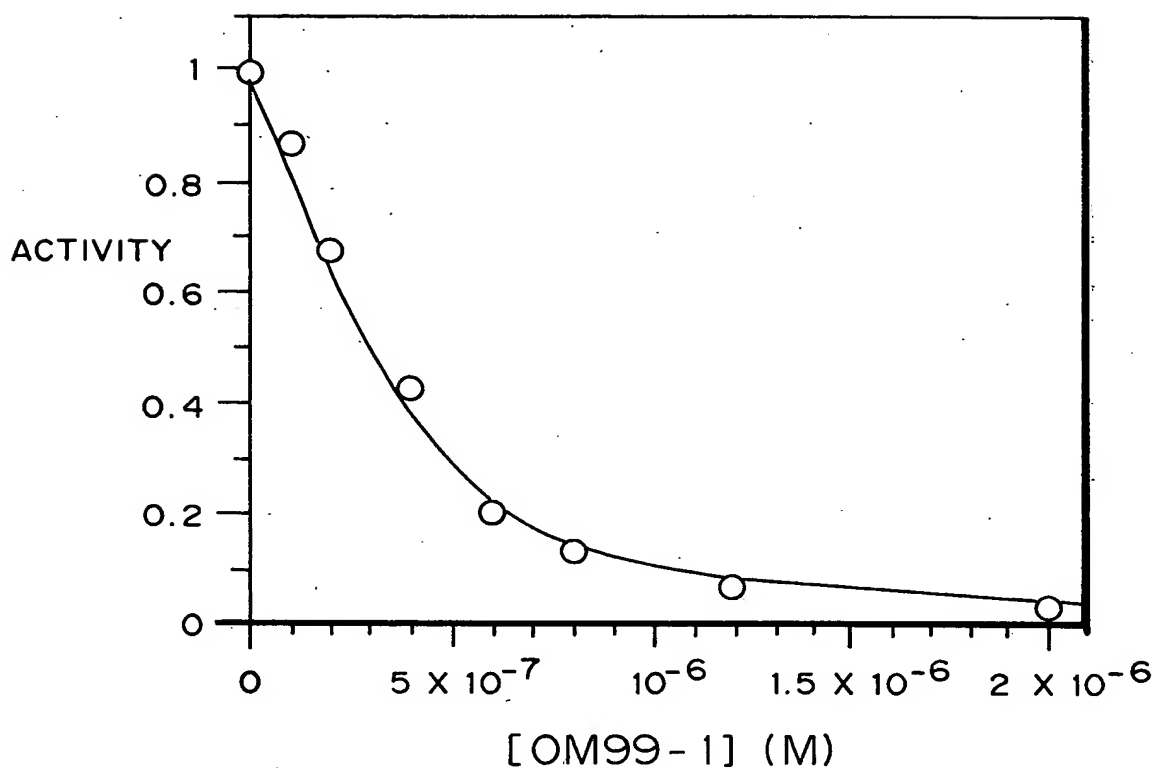


FIG. 4A



[Mep2] = 0.47 μ M

[Fluo. Substrate] = 29.9 μ M

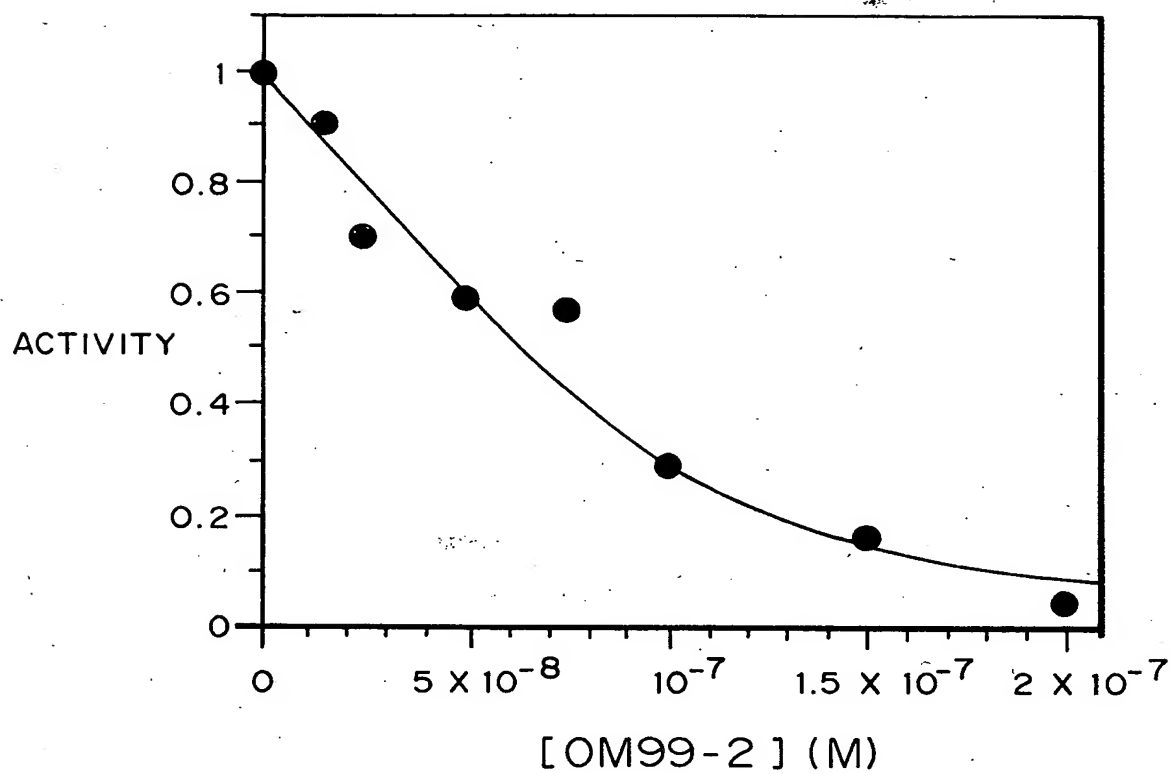
Buffer: Na Acetate 0.1 M, 5% DMSO, pH 4.5 at 37°C

Excitation at 350 nm

Emission at 490 nm

Parameter	Value	Std. Error
Ki	6.84 e - 8	2.72 e - 9

FIG. 4B



$[E]_0 = 0.11 \mu\text{M}$

$[\text{Fluo Substrate}] = 29.9 \mu\text{M}$

Parameter	Value	Std. Error
Ki	9.58e-9	2.86e-10

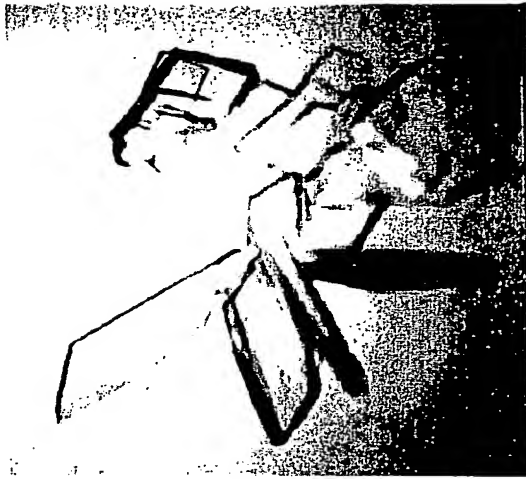


FIG. 5C

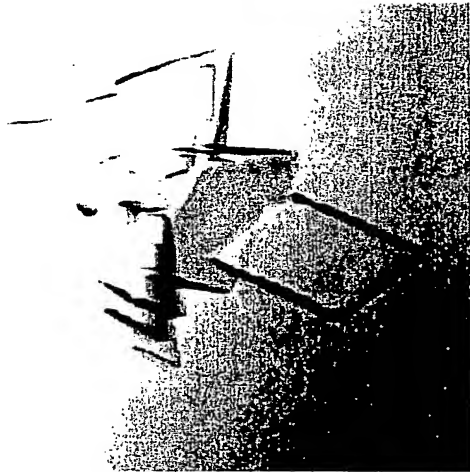


FIG. 5B



FIG. 5A



FIG. 5D



FIG. 5E

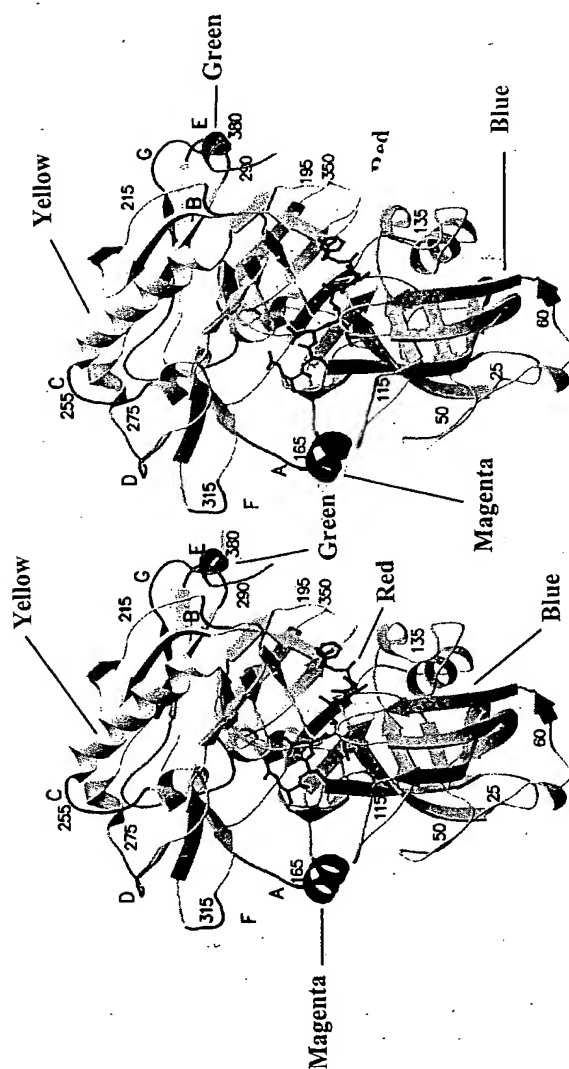


FIG. 6

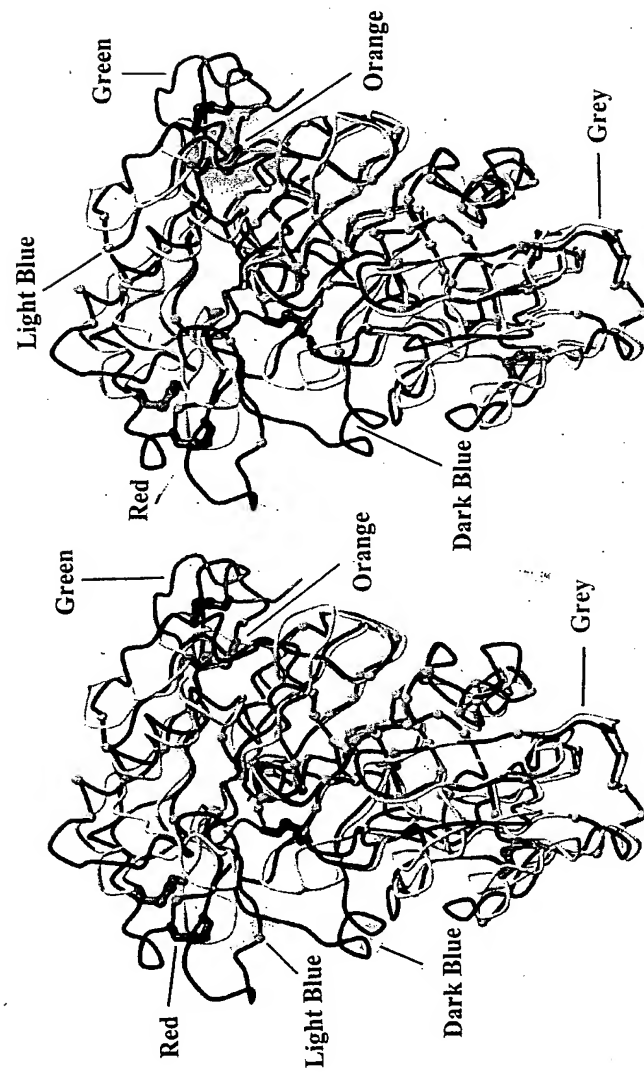
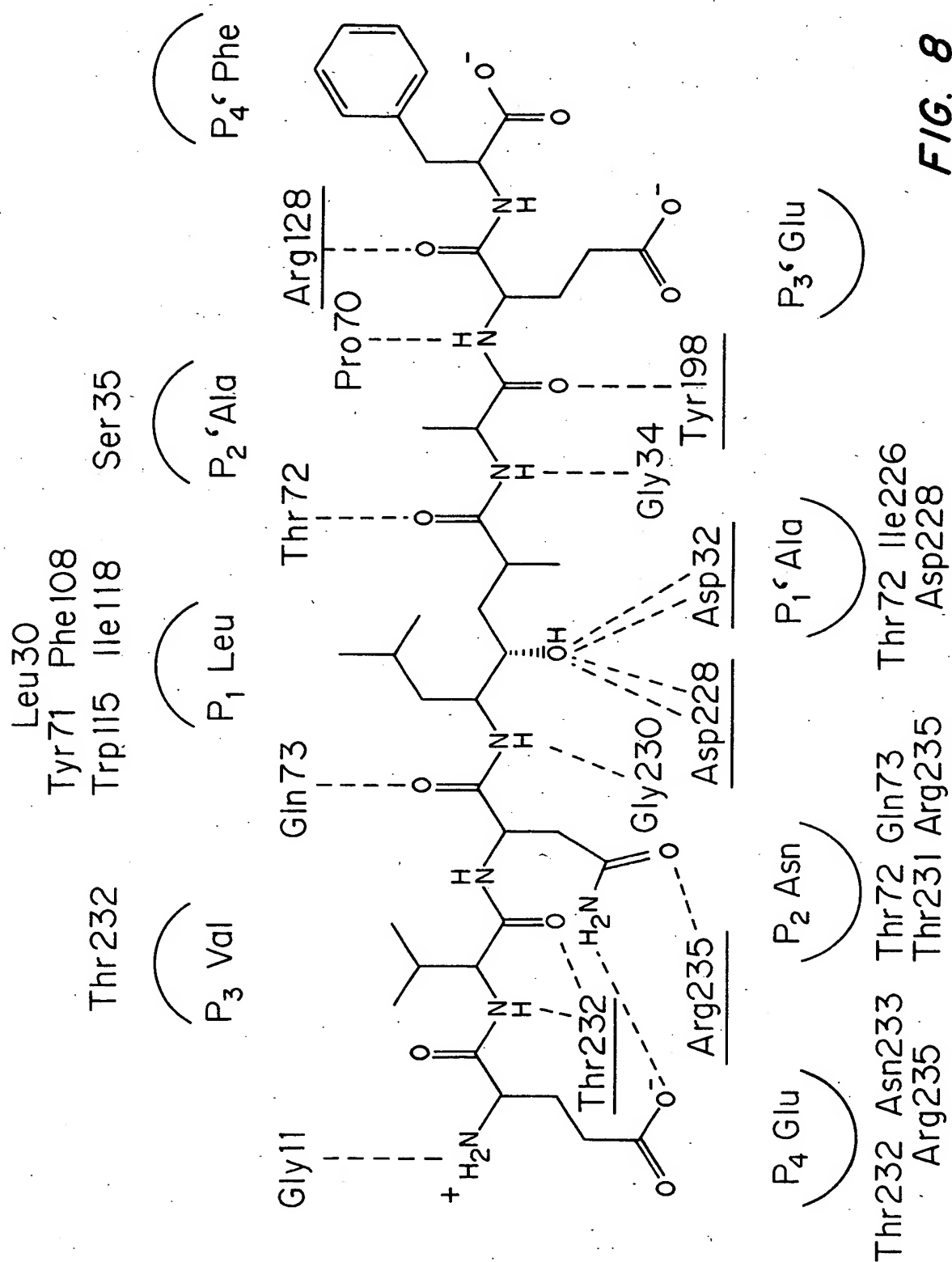


FIG. 7



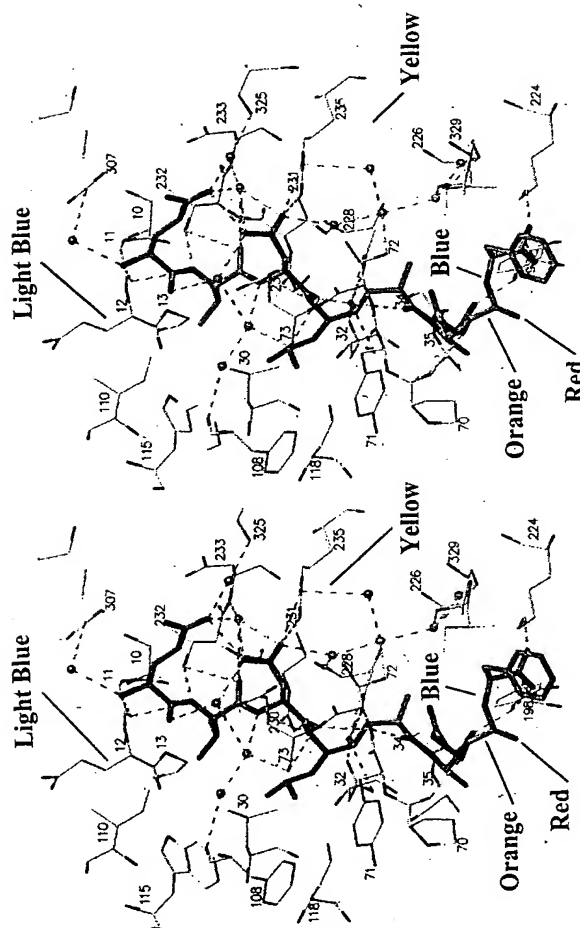


FIG. 9

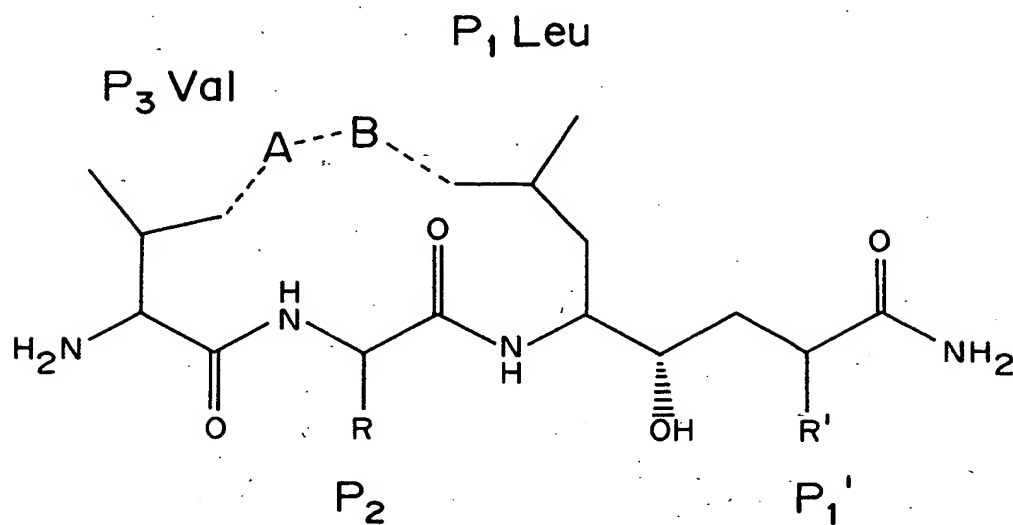


FIG. 10

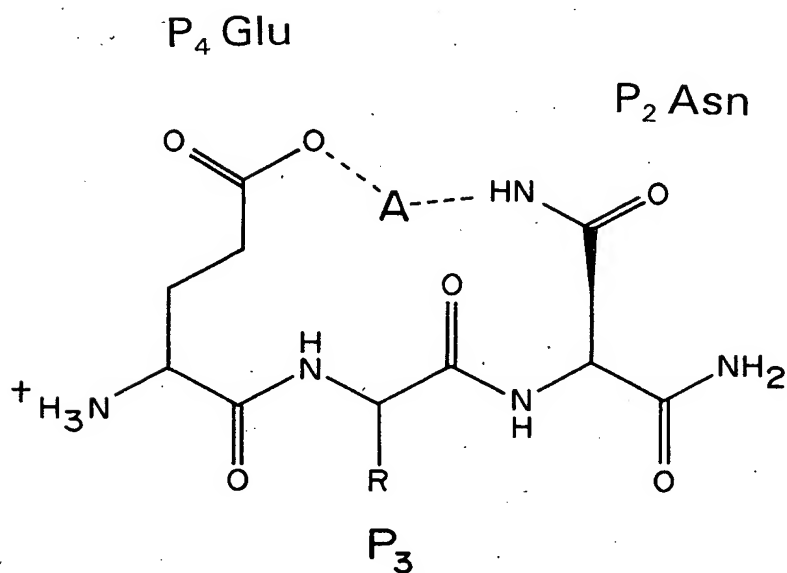


FIG. 11

